

SALT LAKE AREA OFFICE 8 | 80 South 700 East, Suite 200 SANDY, UTAH 84070-0562 801.566.6633

801.566.0750 FAX PATLAW@TNW.COM WWW.TNW.COM

U.S. MAILING ADDRESS P.O. Box 1219 SANDY, UTAH 84091-1219

LAS VEGAS AREA OFFICE

OF COUNSEL: NEIL J. BELLER † 7408 WEST SAHARA LAS VEGAS, NEVADA 89117 702.368.7767 † ADMITTED IN NEVADA

VAUGHN W. NORTH M. WAYNE WESTERN GARRON M. HOBSON PETER M. DE JONGE CLIFTON W. THOMPSON STEVE M. PERRY WEILI CHENG, PH.D. DAVID R. MCKINNEY, PE. GARY P. OAKESON DAVID W. OSBORNE DAVID L. STOTT JASON R. JONES PAUL C. OESTREICH, M.S. ERIK S. ERICKSEN, M.S. REGISTERED PATENT ATTORNEYS NATHAN S. WINESETT OF COUNSEL

BRYAN K. HANKS

PATENT AGENT

ALEX HAYMOND, B.S. EE TODD B. ALDER, PH.D. JONATHAN M. BENNS, Ph.D. AARON M. SMITH, B.S. EE WILLIAM T. RALSTON, PH.D. EE TECHNICAL CONSULTANTS

CALVIN E. THORPE

October 27, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (1938-1999)

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Patent Application No. 10/627,441 filed 07/25/2003

Applicant: Chien-Min Sung

Title: MOLTEN BRAZE-COATED SUPERABRASIVE PARTICLES AND

ASSOCIATED METHODS

Group Art Unit: 1755

Attorney Docket No. 20303.CIP

Sir/Madam:

Transmitted herewith for filing and pursuant to 37 C.F.R. §§ 1.56 and 1.97 is an Information Disclosure Statement.

Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

\boxtimes	Form PTO-1449 list of 19 references submitted for consideration.
\boxtimes	Legible copies of the listed references or their relevant portions.
	All English translations of each non-English reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The fo	llowing are included within the der 37 C.F.R. § 1.98:	e Information Disclosure Statement if applicable and					
	Concise explanation of releva unaccompanied by an English	nation of relevance of each reference not in English and ed by an English translation.					
	Statement that certain listed references not enclosed are substantially cumulat of an enclosed reference.						
	Statement that certain listed references not enclosed were previously cited by o submitted to the Office in the identified prior application which is relied upon an earlier filing date under 35 U.S.C. § 120.						
In ord following, if 1	er to secure consideration of the equired, is also enclosed:	e items designated above, one or more of the					
	Statement under 37 C.F.R. § 1.97(e)(1) or (2).						
	Check No in the amount of \$0.00 (amount in § 1.17(p)) constituting the submission fee set forth in 37 C.F.R. § 1.17(p).						
Statement me	ets the requirements of 37 C.F edit any over payment or charg	applies and the Examiner is not satisfied that the T.R. § 1.97(e), or in any other event remediable by a ge any additional fees to Deposit Account No. 20-					
		Respectfully submitted,					
		ass, a ayun or som					
		M. Wayne Western Attorney for Applicant Registration No. 22,788					
		THORPE NORTH & WESTERN, LLP Customer No. 20,551 P.O. Box 1219 Sandy, Utah 84091-1219 Telephone: (801) 566-6633					

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THE UNITED STATES PATENT & TRADEMARKS OFFICE

ART UNIT:

1755

EXAMINER:

UNKNOWN

APPLICANT:

Sung, Chien-Min

SERIAL NO.:

10/627,441

FILED:

7/25/2003

CONFRM. NO.: 3422

FOR: MOLTEN BRAZE-COATED

SUPERABRASIVE PARTICLES AND

ASSOCIATED METHODS

CERTIFICATE OF MAILING

DATE OF DEPOSIT: 10/2@03

I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria. VA 22313-1450.

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir/Madam:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure Statement is filed pursuant to:

37 C.F.R. § 1.97 (b)(1) or (3), within three months of the filing date of the application, or \boxtimes before a first office action on the merits, whichever occurs last;

37 C.F.R. § 1.97 (c), after a first office action on the merits, but before a Final Office Action or a Notice of Allowance, whichever occurs first, and is accompanied by either 1) a statement in accordance with 37 C.F.R. § 1.97(e), or 2) the fee set forth in§1.17(p); or

37 C.F.R. § 1.97 (d), after a Final Office Action or Notice of Allowance, whichever occurs first, but on or before payment of the issue fee, and is accompanied by both 1) a statement in accordance with 37 C.F.R. § 1.97(e), and 2) the fee set forth in§1.17(p).

Information Disclosure Statement Application No. 10/627,441 Page 2

While no representation is made that any of these references may be "prior art" within the

meaning of that term in a ccordance with 35 U.S.C. §§ 102 or 103, the enclosed list of references is

disclosed so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office

records has been conducted or that no better art exists, the undersigned attorney of record believes that

the references listed, together with any other references which may have been previously submitted or

listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently

aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly

withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each listed reference (or relevant

portion thereof) which was not previously submitted to, or cited by, the Patent Office is also enclosed.

For all listed references that are not either in the English language, or accompanied by a

translation into English, a concise explanation of relevance as required under 37 C.F.R. § 1.98(a)(3) is

enclosed attached to each.

The Commissioner is hereby authorized to charge any additional fees associated with this

communication or to credit any overpayment to Deposit Account No. 20-0100.

Dated this 27 day of October, 2003.

Respectfully submitted,

son work som

M. Wayne Western Attorney for Applicant

Registration No. 22,788

THORPE NORTH & WESTERN, LLP

Customer No. 20,551

P.O. Box 1219

Sandy, Utah 84091-1219

Telephone: (801) 566-6633

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U.S. DEPARTMENT OF COMMERCE PTO-1449 ATTY. DOCKET NO. SERIAL NO. PATENT AND TRADEMARK OFFICE 10/627,444 20303.CIP APPLICANT Sung, Chien-Min LIST OF PRIOR ART CITED BY APPLICANT **GROUP** FILING DATE 07/25/2003 1755 **U.S. PATENT DOCUMENTS** FILING DATE DOCUMENT **EXAMINER** CLASS **SUBCLASS** IF APPROPRIATE NUMBER DATE NAME INITIALS <u>4,063</u>,907 12/20/97 Lee et al. AA 4,390,647 06/28/83 Girgis AB 11/04/86 Ochiai et al. 4,620,933 AC 4,795,678 01/03/89 Girgis AD 4,968,326 11/06/90 Wiand ΑE 06/18/91 Chen et al. 5,024,680 ΑF 5,038,555 08/13/91 Wu et al. AG 11/05/91 Jansen 5,062,862 AH03/17/92 Chen et al. Αi 5,096,465 5,116,568 05/26/92 Sung et al. ΑJ 5,558,705 09/24/96 Keemer et al. ΑK Barber, Jr. et al. 5,571,296 11/05/96 ΑL FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT **SUBCLASS** YES NO CLASS COUNTRY DATE NUMBER Great Britian WO 89/01843 03/09/89 AM ΑN ΑO AP AQ OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc. ΑR AS ΑT DATE CONSIDERED **EXAMINER** *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 20303.CIP		SERIAL NO. 10/627,444			
(PLF)	LIST OPPRIOR ART CITED BY APPLICANT			Т	APPLICANT Sung, Chien-Min				
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EXAMINER	U.S. PATENT DOCUMENTS								
EXAMINER INITIALS		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,755,298	05/26/98	Langfor	d, Jr. et al.				
	AB	5,755,299	05/26/98	Langfor	d, Jr. et al.				
	AC	6,039,641	03/21/00	Sung				***	
	AD	6,102,140	08/15/00	Boyce e	t al.	ļ			
	AE	6,238,280	05/29/01	Ritt et al.					
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not considere	d. Includ	de copy of this form w	ith next communica	tion to app	licant.				